

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	UKPN2002	Question Number	13
Question date	13 September 2011	Answer date	20 September 2011
Submission section question relates to	Section 2		
Topic	Trial		
Question	Please can you provide an indication of fault history on the trial 33kV network e.g. nature of faults, frequency of permanent faults, frequency of transient faults?		
Notes on question			
Answer	<p>The tables below provide the requested fault history information for the 33kV circuits within the FPP project trial area for 2009 and 2010.</p> <p>When compared with the average fault rate for the 33kV OH and UG network and accounting for year for the year on year variation, it can be concluded that the FPP trial area network is performing in line with expectations for a rural network.</p>		

	<u>33kV circuits within FPP trial area</u>	2009		2010			
		Short Interruption (Transient faults)	Fault Count (Permanent faults)	Short Interruption (Transient faults)	Fault Count (Permanent faults)		
	March Grid – Funthams Lane T1	1			1		
	March Grid – Funthams Lane T2	4	2	4			
	Chatteris T1 to Tee point (P28)			5			
	Chatteris T2 to Tee point (P49)						
	Funthams T2 Tee (P 66) – P1 Peterborough						
	Peterborough Central – Farcet T2				1		
	Peterborough Central – Farcet T1	3	3	4	2		
	Walsoken Grid – Leverington T1		1				
	Walsoken Grid – Leverington T2	2	3	4	1		
	Leverington T2 Tee P19 - Guyhirn						
	March Grid – Upwell Lakes Tee Littleport	7	4	5			
	Littleport – Southery						
	Southery – Wissington BSC						
	Wissington BSC – Downham Market Tee Northwold		1				
	Wissington BSC – Northwold		2				
	Downham Market – Outwell Moors						
	Walsoken Grid – Outwell Moors			1	1		
	Walsoken Grid – Wisbech Railway 2		1		1		
	March Grid – Stage Holt Windfarm		1		1		
	Total	17	18	23	8		
	Nature of faults (Permanent faults)	2009		2010			
		33kV		33kV			
		No Fault Found		9		1	
		U/G Cable				2	
		OH Line		4		1	
		Protection		2		1	
		Switchgear		1		1	
		Transformer/Tap Change		1		2	
		Other		1			
	Total	18		8			
Attachments							
Verbal Clarifications (Consultants)							